Application/Control No. Applicant(s)/Patent under Index of Claims Reexamination 10/091,380 MOLL, WINFRIED Examiner Art Unit Chandrika Prasad 2839 (Through numeral) Cancelled Rejected Non-Elected **Appeal** N Α

0

Objected

Interference

Restricted

Allowed

|              |                   | L        |                 |   |  |  | J  |  |          |            |   |          |          |           |             |           | J            |                 |          |           |           |          |            |          |          |              |                   |              |          | لـــ     |   |          |
|--------------|-------------------|----------|-----------------|---|--|--|--|--|----------|------------|---|----------|----------|-----------|-------------|-----------|--------------|-----------------|----------|-----------|-----------|----------|------------|----------|----------|--------------|-------------------|--------------|----------|----------|---|----------|
| Cla          | im                | Date     |                 |   |  |  |  |  | ľ        | Claim Date |   |          |          |           |             |           |              |                 |          | Date      |           |          |            |          |          |              |                   |              |          |          |   |          |
| - 016        |                   | 7        |                 |   |  |  |  |  |          |            |   |          |          | Tall      | <u>'ale</u> |           |              |                 |          | Claim     |           |          | Date       |          |          |              |                   | <del></del>  |          |          |   |          |
| Final        | Original          | 0/1/1/9  |                 |   |  |  |  |  |          |            |   | Final    | Original |           |             |           |              |                 |          |           |           | Final    | Original   |          |          |              |                   |              |          |          |   |          |
|              | 1                 |          |                 | _ | $\vdash$   |  |  |  |          |            |   |          | 51       |           | +           | +         | 1-           |                 | _        | $\dashv$  | ┪         | -        | 101        | _        |          | $\dashv$     | $\dashv$          | +            | -        | $\dashv$ | $\dashv$  |          |
|              | 4                 |          |                 |   | $\vdash$   |  | Г  | 1  |          |            |   |          | 52       |           | $\top$      | T         | 1 -          |                 | _        | +         | ┪         | <b></b>  | 102        | _        | _        | $\top$       | $\dashv$          | 1            | _        | -1       | $\dashv$  | ᅱ        |
|              | 3                 |          |                 |   |  | П  |  |  |          |            |   |          | 53       |           | T           | T         |              | П               | i.       | $\dagger$ | ┪         |          | 103        |          | _        | +            | 7                 | 7            | 十        | $\neg$   | $\dashv$  | $\dashv$ |
|              | 4                 |          |                 |   |  | Г  | T  | 1  |          |            |   |          | 54       | $\neg$    | $\top$      | 1         |              |                 | - 1      | T         | 7         |          | 104        | ╗        |          | 寸            | 7                 | _            | _        | 一        | 寸   | $\neg$   |
|              | 5                 |          |                 |   |  |  |  |  |          |            |   |          | 55       |           | T           | 1         | 1            |                 |          | T         | 7         |          | 105        |          |          |              | 寸                 |              | 寸        | $\neg$   | 寸   | ヿ        |
|              | 6                 |          |                 |   |  |  |  |  |          |            |   |          | 56       |           |             |           |              |                 |          | T         | 7         |          | 106        |          |          | $\neg$       | T                 |              | T        | T        | $\neg$  | ヿ        |
|              | _1_               |          |                 |   |  |  |  |  |          |            |   |          | 57       |           |             |           |              |                 |          |           |           |          | 107        |          |          |              | $\neg$            |              | T        | ヿ        |   | コ        |
|              | 8                 |          |                 |   |  |  |  |  |          |            |   |          | 58       |           |             |           |              |                 |          |           |           |          | 108        |          |          |              |                   |              |          | $\neg$   |   |          |
|              | 9                 |          |                 |   |  |  |  |  |          |            |   |          | 59       |           | $\perp$     |           |              |                 |          |           |           |          | 109        |          |          |              | ]                 |              |          |          |   |          |
| <u> </u>     | 10                |          |                 |   |  | _  | _  | _  |          |            |   | L        | 60       |           | $\perp$     |           | _            |                 |          | $\perp$   | ╛         |          | 110        |          |          |              |                   |              |          |          |   |          |
| <u> </u>     | 1/1               | <u> </u> |                 |   | <u> </u>   | _  | _  |  |          |            |   |          | 61       | _ _       | $\bot$      | 1         | 1            | Ш               | $\perp$  | _ _       | 4         | $\vdash$ | 111        | _        |          |              | $\perp$           | $\prod$      | _[       | $\Box$   | [   |          |
| <u> </u>     | 12                | =        |                 |   | <b> </b>   | _  | _  |  |          |            |   |          | 62       | -         | +           | 4_        | <u> </u>     | Ш               | 4        | _         | 4         |          | 112        | .        | _        | 4            | 4                 | $\downarrow$ | _        |          | $\dashv$  | _        |
|              | 13                | 11       | $\vdash$        |   | -  | <u> </u>   | -  | ├  |          |            |   | ļ        | 63       | +         | +           | +         | ▙            |                 | 4        | +         | 4         | <u></u>  | 113        | 4        | 4        | $\bot$       | 4                 | 4            | _        | 4        |   | _        |
| <b> </b>     | 14                | =        | $\vdash$        | _ | -  | -  | -  |  |          |            |   |          | 64       | _         | +           | 1         | _            | Щ               | 4        | +         | 4         | <u></u>  | 114        |          | 4        | $\dashv$     | $\dashv$          | _            | 4        | _        | _   |          |
| -            | 15<br>16          | 11 11    | Н               | _ | -  | -  | ├—   |  | _        |            |   | <u> </u> | 65       | -         | +           | +         | _            | Щ               | $\dashv$ | -         | 4         | $\vdash$ | 115        | _        | $\dashv$ | $\dashv$     | $\dashv$          | $\dashv$     |          | _        | _   | _        |
| -            | 12                | <u>-</u> |                 | - | -  | -  | -  | -  | -        |            |   |          | 66       |           | +           | <b></b>   | <u> </u>     |                 | +        | +         | -         | -        | 116        | -        |          | -            | $\dashv$          | -            | -        |          |   | $\dashv$ |
|              | 18                | =        | Н               | _ | $\vdash$   | -  |  | -  | _        |            |   |          | 67       |           |             | +         | -            |                 |          | +         | -         | <u> </u> | 117        | -        |          | -            | 4                 | _            | 4        |          |   | _        |
| <b> </b>     | 19                | =        | H               |   |  | -  | ├  | -  |          | _          |   |          | 68<br>69 |           | +           |           | 1            |                 | -        | +         | $\dashv$  |          | 118<br>119 | -        |          | -            | -                 |              | $\dashv$ |          |   | -        |
| <u> </u>     | 20                | _        | -               | ┝ | <del> </del>                                     | -  | -  |  |          |            |   |          | 70       | -         | +           | ╁         | ├-           | -               |          | +         | $\dashv$  |          | 120        |          | -+       | +            | $\dashv$          |              |          |          | +   | $\dashv$ |
| <del>-</del> | 21                | =        | -               |   | ┢  | <del> </del>                                     | -  |  |          |            |   |          | 71       | -         | +           | +         | 1            |                 | $\dashv$ | +         | $\dashv$  |          | 121        |          |          | $\dashv$     | $\dashv$          | $\dashv$     | -        |          | $\dashv$  | $\dashv$ |
|              | 22                | =        |                 |   |  | -  |  |  | _        |            |   |          | 72       | +         | $\dashv$    | +         | +            | $\vdash$        |          | +         | -         |          | 122        |          | -        | -+           | $\dashv$          | $\dashv$     | $\dashv$ | $\dashv$ |   | $\dashv$ |
|              | 23                | =        |                 | _ |  | <del>                                     </del> | _  | <del>                                     </del> |          |            |   |          | 73       | -         | +           | +         | H            | -               | $\dashv$ | +         | $\dashv$  |          | 123        | -+       | -        | +            | ╅                 | -            | $\dashv$ | $\dashv$ | +   | $\dashv$ |
| <b>!</b>     | 24                | _        | Н               |   |  | $\vdash$   | _  | <del> </del>                                     |          |            |   |          | 74       |           | +           |           |              |                 |          |           | ┨         |          | 124        |          |          | $\dashv$     | 1                 |              | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ |
|              |                   | ¥        | П               |   |  |  |  |  |          |            |   |          | 75       | $\neg$    | _           | _         | H            | М               |          | +         | -         | $\vdash$ | 125        |          | _        | $\dashv$     | $\dashv$          | $\dashv$     | $\dashv$ | $\neg$   | -   | $\dashv$ |
|              | 26                | 1 2      |                 |   |  |  | ┌┈   |  |          |            |   |          | 76       |           | ┪           |           | T            |                 | _        | $\top$    | ┪         |          | 126        | $\dashv$ | 1        | 寸            | 十                 | _            | 7        | 一        | 十   | $\dashv$ |
|              | 27                | =        |                 |   |  |  |  |  |          |            |   |          | 77       |           | _           | 1         |              | П               |          | _         | ٦         |          | 127        | _        |          | $\dashv$     | 寸                 | $\neg$       | ┪        | 一        | 寸   | 7        |
|              |                   | =        |                 |   |  |  |  |  |          |            |   |          | 78       |           |             |           |              | П               |          | ┪         | 7         |          | 128        | $\neg$   | T        | 十            | 十                 | 寸            |          | $\neg$   | 寸   | ヿ        |
|              |                   | 1        |                 |   |  |  |  |  |          |            |   |          | 79       |           |             |           | П            | П               | $\neg$   | 7         | ٦         |          | 129        |          |          |              |                   |              |          | $\neg$   | $\neg$  | ヿ        |
|              | 30                |          |                 |   |  |  |  |  |          |            |   |          | 80       |           |             | T         | Ī            |                 |          |           | 7         |          | 130        |          | 7        |              |                   |              |          |          | $\neg$  | ヿ        |
|              | 31                | =        |                 |   |  |  |  |  |          |            |   |          | 81       |           |             |           |              |                 |          |           |           |          | 131        |          |          | П            |                   | T            |          |          | $\neg$  | コ        |
|              | - <del>32</del> - | L.       | Ш               |   |  |  |  | $oxed{\Box}$                                     |          |            |   |          | 82       | $\perp$   | $\bot$      |           | ļ            |                 |          |           |           |          | 132        | $\Box$   |          |              |                   |              | $\Box$   |          |   |          |
| $\perp$      | <del>33</del> -   | Ш        | Ш               | _ | _  | L_   |  | $oxed{oxed}$                                     |          |            |   |          | 83       |           | $\perp$     |           | <u> </u>     | LJ              | [        |           | ╛         |          | 133        |          | $\Box$   | $oxed{oxed}$ | $oldsymbol{\bot}$ |              |          |          | $oldsymbol{ol}}}}}}}}}}}}}}}$ |          |
| <u> </u>     | 34                | =        | $\vdash \vdash$ |   | <u> </u>   | ļ  | _  | $\vdash$   | <u> </u> |            |   |          | 84       | 4         | _ _         | 4_        | <u> </u>     | Щ               | $\perp$  | _         | 4         | <u></u>  | 134        | _        | _        |              | $\downarrow$      | _[           | _[       | $\Box$   | $\bot$  | _        |
| $\vdash$     | 35                | <u> </u> | Н               |   | <u> </u>   | ļ  | <del>  _</del>                                   | <u> </u>   | <u> </u> |            |   |          | 85       | $\perp$   | $\perp$     | +         |              | $\sqcup$        | _        | $\perp$   | 4         | L        | 135        | $\dashv$ | _        | _            | $\downarrow$      | $\perp$      |          | _        | $\dashv$  | _        |
| -            | 36                | <u> </u> |                 |   | ├  | _  | _  | $\vdash$   | _        |            |   |          | 86       | +         | +           | +         | $\vdash$     | $\vdash$        | -        |           | 4         | <u></u>  | 136        | $\dashv$ | _        | 4            | 4                 | _            | 4        | 4        | _   |          |
|              | 37<br>38          |          | $\vdash$        |   | ⊢  | $\vdash$   | $\vdash$   | $\vdash$   |          |            |   |          | 87       | +         | +           | +         | -            | $\vdash \vdash$ | -        | -         | 4         | <u> </u> | 137        | $\dashv$ | -        | 4            | 4                 | 4            | _        | 4        | $\dashv$  | _        |
| -            | 38                | $\vdash$ | $\vdash \vdash$ |   | <del> </del>                                     |  | $\vdash$   | $\vdash$   | $\vdash$ | $\dashv$   |   |          | 88       | +         | +           | +         | $\vdash$     | Н               | +        | +         | 4         | <u> </u> | 138        |          | $\dashv$ | +            | +                 | 4            |          | 4        | $\dashv$  | _        |
| $\vdash$     | 40                | ┝        | Н               |   | -  | -  | -  | ├  | Н        | $\dashv$   |   | <b></b>  | 89<br>90 | +         |             | +-        | <del> </del> | $\vdash \vdash$ | $\dashv$ |           | 4         |          | 139        | $\dashv$ | $\dashv$ | -            | $\dashv$          |              |          | -        | $\dashv$  | $\dashv$ |
|              | 41                | $\vdash$ | $\vdash$        |   | -  | -  | -  | $\vdash$   | $\vdash$ | $\dashv$   |   |          | 91       | +         |             | +         | $\vdash$     | Н               | $\dashv$ | +         | $\dashv$  | $\vdash$ | 140<br>141 | $\dashv$ | -        | +            | +                 | +            | -+       | -        | $\dashv$  |          |
|              | 42                | -        | $\vdash \vdash$ |   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ | $\dashv$   | ' | -        | 92       | +         | +           | +-        | ┼            | ┝╾┥             | -+       | +         | $\dashv$  | -        | 141        | $\dashv$ | +        | +            | +                 | $\dashv$     | $\dashv$ | -        | +   | $\dashv$ |
|              | 43                | -        | $\vdash$        | - | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> |  | Н        | $\dashv$   |   |          | 93       | +         | +-          | +-        | ╁            | $\vdash$        |          | +         | $\dashv$  |          | 143        | +        | $\dashv$ | +            | +                 | +            |          | -        | +   |          |
| -            | 44                |          | $\vdash$        | _ |  |  |  | $\vdash$   | $\vdash$ | -          |   |          | 94       | +         | +-          | +         | +-           | $\vdash$        | $\dashv$ | +         | $\exists$ | -        | 144        | $\dashv$ | +        | $\dashv$     | +                 | $\dashv$     | +        | -        | +   | $\dashv$ |
|              | 45                |          | H               | - |  |  |  | $\vdash$   | Н        |            |   | <u> </u> | 95       | +         | +           | +         | +-           | $\vdash$        | $\dashv$ | +         | $\dashv$  | $\vdash$ | 145        | $\dashv$ | $\dashv$ | $\dashv$     | ┿                 | $\dashv$     | $\dashv$ |          | +   | $\dashv$ |
|              | 46                | М        | $\vdash$        |   | T  |  |  | П  | $\vdash$ | $\dashv$   |   |          | 96       | +         | +           | †         | T            | $\vdash \vdash$ | -        | +         | 1         |          | 146        | $\dashv$ | $\dashv$ | +            | +                 | $\dashv$     | $\dashv$ |          | +   | $\dashv$ |
|              | 47                |          |                 | _ | <del>                                     </del> |  | i —  | Г  | П        |            |   |          | 97       | +         | +           | $\dagger$ | T            | H               | $\dashv$ | +         | ┪         |          | 147        | $\dashv$ | $\dashv$ | $\top$       | 十                 | $\dashv$     | $\dashv$ | -        | +   | $\dashv$ |
|              | 48                |          |                 |   | Г  | Ι_   | <u> </u>   |  | П        | $\dashv$   |   |          | 98       | $\dashv$  | +           | ┪         | T            |                 | $\dashv$ | 十         | 1         |          | 148        | -        | $\dashv$ | +            | $\dashv$          | $\dashv$     | +        | ┪        | $\dashv$  | $\dashv$ |
|              | 49                |          |                 |   |  | ļ —  |  |  | П        |            |   |          | 99       | $\dashv$  | 十           | $\top$    | 1            |                 | _        | 7         | 7         |          | 149        | $\dashv$ | 十        | $\dashv$     | $\dagger$         | $\dashv$     | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ |
|              | 50                |          |                 |   |  |  |  |  |          |            |   |          | 100      | $\exists$ | 十           | 1         | Г            |                 | $\top$   | 1         | ٦         |          | 150        | $\dashv$ | _        | $\dashv$     | +                 | 7            | 十        | ┪        | $\dashv$  | $\dashv$ |
|              |                   |          |                 | _ |  |  |  |  |          |            |   |          |          |           |             |           |              |                 |          |           | _         |          | لمتتما     |          |          |              |                   |              |          | 1        | L   |          |